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PATENT
ATTORNEY DOCKET NO. INTEL1440-1 (P13837X)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Zhang, et al.
Serial No.: 10/669,150
Filed: September 23, 2003
Title: SORTING OF SINGLE-WALLED CARBON NANOTUBES USING OPTICAL DIPOLE TRAPS

Art Unit: 3653
Examiner: Unassigned

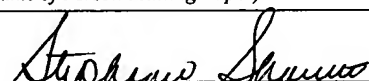
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL SHEET

Sir:

Transmitted herewith for the above-identified application, please find:

- (1) A Information Disclosure Statement (2 pages);
- (2) A Form PTO-1449 (1 page);
- (3) Eleven (11) References; and
- (4) Return postcard.

CERTIFICATION UNDER 37 CFR §1.8	
I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on this date, November 8, 2004, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450	
Stephanie Sharrett (Name of Person Mailing Paper)	
	November 8, 2004

In re Application of:

Zhang, et al.

Application No.: 10/669,150

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PATENT

Attorney Docket No.: INTEL1440-1 (P13837X)

Applicants do not believe any fees are due in connection with this Information Disclosure Statement. However, if any fees are required, authorization is hereby given to charge Deposit Account No. 07-1896. A duplicate copy of this Transmittal sheet is enclosed.

Respectfully submitted,

Date: November 8, 2004



Michael P. Reed
Registration No. 45,647
Telephone: (858) 638-6754
Facsimile: (858) 677-1465

USPTO CUSTOMER NUMBER 28213
GRAY CARY WARE & FREIDENRICH LLP
ATTORNEYS FOR INTEL CORPORATION
4365 Executive Drive, Suite 1100
San Diego, CA 92121-2133



PATENT

ATTORNEY DOCKET NO. INTEL1440-1 (P13837X)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Zhang, et al.	Art Unit:	3653
Serial No.:	10/669,150	Examiner:	Unassigned
Filed:	September 23, 2003		
Title:	SORTING OF SINGLE-WALLED CARBON NANOTUBES USING OPTICAL DIPOLE TRAPS		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. 1.97, enclosed are references relating to the above-identified application. For the convenience of the Examiner, these references are listed on the attached Form PTO-1449 and Items B through L are provided herewith.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on November 8, 2004, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Stephanie Sharrett

In Re Application of:

Zhang, et al.

Application Serial No.: 10/669,150

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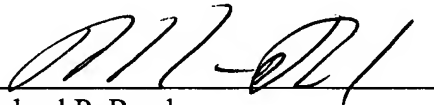
PATENT

Attorney Docket No.: INTEL1440-1 (P13837X)

This Information Disclosure Statement is being filed before the mailing date of the first office action on the merits. Therefore, no fee is due, and Applicants do not believe any other fees are due in connection with this submission. However, the Commissioner is hereby authorized to charge any amounts required by this filing, or credit any overpayment, to Deposit Account No. 07-1896.

Respectfully submitted,

Date: November 8, 2004



Michael P. Reed

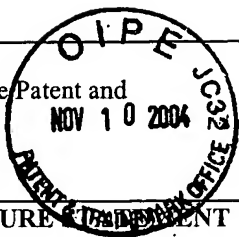
Registration No. 45,647

Telephone: (858) 638-6754

Facsimile: (858) 677-1465

GRAY CARY WARE & FREIDENRICH LLP
ATTORNEYS FOR INTEL CORPORATION
4365 Executive Drive, Suite 1100
San Diego, California 92121-2133
USPTO Customer No. 28213

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. INTEL1440-1 (P13837X)	Serial No.: 10/669,150
	Applicant(s) Zhang, et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: September 23, 2003	Group Art Unit: 3653



U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	A	6,514,767	2/4/03	Michael Natan	436	166	

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

	B	Chattopadkyay, et al, "A Route for Bulk Separation of Semiconducting From Metallic Single-Wall Carbon Nanotubes", <i>J. Am. Chem. Soc.</i> 125:3370-3375, (2003).
	C	Doering, et al., "Spectroscopic Tags Using Dye-Embedded Nanoparticles and Surface -Enhanced Raman Scattering", <i>Analytical Chemistry</i> , :5-9
	D	Dresselhaus, et al., "Advances in Physics 2000" 49(6):705-814, (2000),
	E	Krupke, et al., "Separation of Metallic from Semiconducting Single-Walled Carbon Nanotubes", <i>Science Express</i> , www.sciencexpress.org (June 26, 2003).
	F	Mulvaney, et al., "Glass-Coated, Analyte-Tagged Nanoparticles: A New Tagging System Based on Detection with Surface-Enhanced Raman Scattering", <i>Am Chem Soc.</i> 19:4784-4790 (2003).
	G	Papadimitrakopoulos, et al., "A Route for the Bulk Separation of Metallic from Semiconducting Single Wall Carbon Nanotubes," www.aps.org/meet/MAR03/baps/abs/S670010.html
	H	Rosen, et al., "Manipulation and Separation of Carbon Nanotubes Based on Their Chirality", www.aps.org/meet/MAR03/baps/abs/S660012.html
	I	Strano, et al, "Electronic Structure Control of Single -Walled Carbon Nanotube Functionalization", <i>Sci.</i> 301:1519-1522 (September 12, 2003).
	J	Strano, et al., "Selective Reactivity of Single Walled Carbon Nanotubes in Solution", www.aps.org/meet/MAR03/baps/abs/S670011.html
	K	Zhang, et al., "Effect of Light Irradiation on Oxidation of HiPco Single-Wall Carbon Nanotubes", www.aps.org/meet/MAR03/baps/abs/S670005.html
	L	Zheng, et al., "Structure-Based Carbon Nanotube Sorting by Sequence-Dependent DNA Assembly", <i>Sci.</i> 302:1545-1548, (November 2003)

EXAMINER GT6421867.1 1090132-54	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.